

In the Claims:

Claims 1-8 (Cancelled)

9. (New) A method for controlling a wireless communication system, including a restricted base station coupled to a cellular telephone network and coupled to a second network via a modem, wherein the restricted base station is assigned a PSTN telephone number, and a mobile station assigned a cellular telephone number of the cellular network;

the method comprising;

the mobile station pre-registering with the restricted base station during which the mobile station stores restricted base station identification information and the restricted base station stores mobile station identification information;

the mobile station while in a cellular service mode, recognizing that the mobile station is in close proximity to the restricted base station;

the mobile station selects the restricted base station using the stored restricted base station identification information;

the mobile station upon selecting the restricted base station, couples to the restricted base station, and wirelessly registers with the restricted base station, and automatically de-registers from the cellular network; and

the mobile station automatically switches to the second network via the modem to begin communications over the second network.

10. (New) A method for controlling a wireless communication system as in claim 8, wherein the communications over the second network are voice communications.

11. (New) A method for controlling a wireless communication system as in claim 8, wherein a modem link is authorized and established before the communications over the second network begin.

12. (New) A method for controlling a wireless communication system as in claim 11, wherein the second network responds with a validation return message to authorize and establish communications over the second network.

13. (New) A method for controlling a wireless communication system as in claim 10, wherein the modem converts analog voice signals to digital signals for voice communications over the second network.
14. (New) A method for controlling a wireless communication system as in claim 13, wherein the digital voice communications over the second network are compressed signals.
15. (New) A method for controlling a wireless communication system as in claim 13, wherein the modem includes a digital signal processor.
16. (New) A method for controlling a wireless communication system as in claim 15, wherein the modem includes a speech encoder.
17. (New) A method for controlling a wireless communication system as in claim 15, wherein the modem connects to a modem pool.
18. (New) A method for controlling a wireless communication system as in claim 16, wherein the modem performs signal processing functions associated with voice detection to differentiate between noise and voice signals.
19. (New) A method for controlling a wireless communication system, including a mobile station, a restricted base station, and a modem, the method comprising;
wirelessly transmitting over a first network analog voice communications from the mobile station to the restricted base station;

transmitting the analog voice communications from the restricted base station to the modem;

converting the analog voice communications into compressed digital signals in the modem; and

transmitting the compressed digital signals over a second network via the modem.

20. (New) A method for controlling a wireless communication system as in claim 19, wherein only pre-registered user may communicate with the restricted base station.

21. (New) A method for controlling a wireless communication system as in claim 20, wherein the modem includes a digital signal processor.

22. (New) A method for controlling a wireless communication system as in claim 21, wherein the modem includes a speech encoder.

23. (New) A method for controlling a wireless communication system, including a restricted base station coupled to a cellular telephone network and coupled to a second network via a modem, wherein the restricted base station is assigned a PSTN telephone number, and a mobile station assigned a cellular telephone number of the cellular network; the method comprising;

the mobile station pre-registering with the restricted base station during which the mobile station stores restricted base station identification information and the restricted base station stores mobile station identification information;

the mobile station while in a cellular service mode, recognizing that the mobile station is in close proximity to the restricted base station;

the mobile station selects the restricted base station using the stored restricted base station identification information;

the mobile station upon selecting the restricted base station, couples to the restricted base station, and wirelessly registers with the restricted base station, and automatically de-registers from the cellular network; and

the mobile station automatically switches to the second network via the modem to begin communications over the second network, wherein the modem includes a digital signal processor and a speech encoder that converts analog voice communications from the mobile station into compressed digital signals to be transmitted over the second network.

24. (New) A method for controlling a wireless communication system as in claim 23, wherein only pre-registered users may communicate with the restricted base station.

25. (New) A method for controlling a wireless communication system as in claim 23, wherein the modem connects to a modem pool.

26. (New) A method for controlling a wireless communication system as in claim 25, wherein the modem includes a speech processor.

27. (New) A method for controlling a wireless communication system as in claim 23, wherein a modem link is authorized and established before the communications over the second network begin.

28. (New) A method for controlling a wireless communication system as in claim 26, wherein the second network responds with a validation return message to authorize and establish communications over the second network.